,	Application No.	Applicant(s)	
Notice of Allowability	09/939,432	TAYLOR, THEODO	ORE M.
	Examiner	Art Unit	
	Anthony Ojini	3723	
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIFE of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED i or other appropriate comm IGHTS. This application is	n this application. If not include nunication will be mailed in due	ded e course. THIS
 This communication is responsive to <u>amendment filed 12/8</u> The allowed claim(s) is/are <u>48-50,53-56 and 58-66</u>. The drawings filed on <u>24 August 2001</u> are accepted by the Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: Certified copies of the priority documents have 	Examiner. nder 35 U.S.C. § 119(a)-(d) been received.		
Certified copies of the priority documents have	, ,		
 3. Copies of the certified copies of the priority doe International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	cuments have been receive	ed in this national stage applic	ation from the
 Acknowledgment is made of a claim for domestic priority un reference was included in the first sentence of the specifica 	ation or in an Application Da	ata Sheet. 37 CFR 1.78.	ce a specific
(a) The translation of the foreign language provisional a			
 Acknowledgment is made of a claim for domestic priority up in the first sentence of the specification or in an Application 	nder 35 U.S.C. §§ 120 and/ Data Sheet. 37 CFR 1.78.	or 121 since a specific referen	nce was included
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of	this communication to file a this application. THIS THE	a reply complying with the req REE-MONTH PERIOD IS NO	uirements noted TEXTENDABLE
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 			NOTICE OF
8. X CORRECTED DRAWINGS (as "replacement sheets") mus	et be submitted.		
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing Revie	w (PTO-948) attached	
1) hereto or 2) to Paper No			
(b) including changes required by the proposed drawing c Examiner.	orrection filed 08 Decembe	<u>er 2003,</u> which has been appr	roved by the
(c) ☐ including changes required by the attached Examiner's	s Amendment / Comment o	r in the Office action of Paper	No
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the			ie back) of
 DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT FOR T 			Note the
Attachment(s)			
 1 Notice of References Cited (PTO-892) 2 Notice of Draftperson's Patent Drawing Review (PTO-948) 3 Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No 		formal Patent Application (PTC	•
	6☐ Interview Summary (PTO-413), Paper No		
	7☐ Examiner's 7	Amendment/Comment	
4☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	8⊠ Examiner's 9 Other	Statement of Reasons for Allo	wance
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Application/Control Number: 09/939,432

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REASON FOR ALLOWANCE

The following is a statement of reasons for the indication of allowable subject matter: a system for restoring a contact surface of a processing pad used in processing microelectronic workpiece comprising the specific limitation of "an end-effector carrier assembly (170) having and end-effector (162) comprising a plurality of microstructures (166) on the conditioning surface, the microstructures being arranged in a pattern corresponding to a desired pattern of microfeatures to be impacted on the contact surface of the processing pad, and the microstructures being raised elements (168) projecting from the conditioning surface and/or depressions in the conditioning surface" in the combination as claimed in claims 48,53,55; "an end-effector carrier assembly (170) having and end-effector (162) comprising a plurality of microstructures (166) on the conditioning surface, the microstructures being arranged in a pattern corresponding to a desired pattern of microfeatures to be impacted on the contact surface of the processing pad, and the microstructures being raised elements (168) projecting from the conditioning surface and/or depressions in the conditioning surface, and a heater (180) carried by the end-effector (162)" in the combination as claimed in claims 58,59, are not anticipated or made obvious by the prior art in the examiner's opinion. For example **Sandhu et al.** (5,975,994) disclose a apparatus (100) for conditioning surface of polishing pad (140), comprising a platen (120) for supporting the polishing pad (140); a conditioning carrier assembly having a holder (164) positioned over the polishing pad (see fig. 2); and conditioning element (170) that defines a front side and carried by a holder (164), the conditioner having a conditioning surface configured to

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engage the contact surface of the polishing pad (140). **However**, the art of record considered as a whole, alone or in combination, fails to provide or suggest, "an endeffector carrier assembly (170) having and end-effector (162) comprising a plurality of microstructures (166) on the conditioning surface, the microstructures being arranged in a pattern corresponding to a desired pattern of microfeatures to be impacted on the contact surface of the processing pad, and the microstructures being raised elements (168) projecting from the conditioning surface and/or depressions in the conditioning surface and a heater carried by the end-effector to provide heat to the conditioning". Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anthony Ojini whose telephone number is 703 305 3768. The examiner can normally be reached on 7 to 4 Tuesday-Friday with every other Monday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Hail can be reached on 703 308 2687. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AO March 29, 2004

> LEE D. WILSON PRIMARY EXAMINER

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